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#2 OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/993,333

DATE: 12/03/2001
 TIME: 14:35:26

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF3\11212001\I993333.raw

ENTERED

4 <110> APPLICANT: Oberley, Larry Wayne
 5 Weydert, Christine J.
 6 Smith, Benjamin Barnes
 8 <120> TITLE OF INVENTION: Reduction of antioxidant enzyme levels in tumor cells using
 antisense
 9 oligonucleotides
 11 <130> FILE REFERENCE: 875.042US1
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/993,333
 C--> 13 <141> CURRENT FILING DATE: 2001-11-14
 13 <150> PRIOR APPLICATION NUMBER: US 60/248,328
 14 <151> PRIOR FILING DATE: 2000-11-14
 16 <160> NUMBER OF SEQ ID NOS: 12
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 20
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
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 28 <210> SEQ ID NO: 2
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 30 <212> TYPE: DNA
 31 <213> ORGANISM: Homo sapiens
 33 <400> SEQUENCE: 2 20
 34 acactgcccgc gctcaacatg
 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 20
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Homo sapiens
 41 <400> SEQUENCE: 3 20
 42 catgctgcta gtgctgggtgc
 44 <210> SEQ ID NO: 4
 45 <211> LENGTH: 20
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Homo sapiens
 49 <400> SEQUENCE: 4 20
 50 ggatcccggc tgcagccat
 52 <210> SEQ ID NO: 5
 53 <211> LENGTH: 20
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Homo sapiens
 57 <400> SEQUENCE: 5 20
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 60 <210> SEQ ID NO: 6
 61 <211> LENGTH: 20
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Homo sapiens
 65 <400> SEQUENCE: 6

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66 gccgaggctc atcgcggcgg                                     20
68 <210> SEQ ID NO: 7
69 <211> LENGTH: 20
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 7                                           20
74 caaaggcggc cgaggctcat
76 <210> SEQ ID NO: 8
77 <211> LENGTH: 20
78 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 8                                           20
82 catgttgagc cgggcagtgt
84 <210> SEQ ID NO: 9
85 <211> LENGTH: 20
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: An artificial oligonucleotide
92 <400> SEQUENCE: 9                                           20
93 acactaccca gctcgacatg
95 <210> SEQ ID NO: 10
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: An artificial oligonucleotide
103 <400> SEQUENCE: 10                                         20
104 ctacagccgg ccgtaaactc
106 <210> SEQ ID NO: 11
107 <211> LENGTH: 325
108 <212> TYPE: DNA
109 <213> ORGANISM: Homo sapiens
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112 gcagatcggc ggcacacagc gtagcaccag cactagcagc atgttgagcc gggcagtgtg      60
113 cggcaccagc aggcagctgg ctccggtttt ggggtatctg ggctccaggc agaagcacag      120
114 cctccccgac ctgccctacg actacggcgc cctggaacct cacatcaacg cgcagatcat      180
115 gcagctgcac cacagcaagc accacgcggc ctacgtgaac aacctgaacg tcaccgagga      240
116 gaagtaccag gaggcgttgg ccaagggaga tgttacagcc cagatagctc ttcagcctgc      300
117 agtgaagttc aatgggtggtg gtcac                                     325
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 95
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 12
125 Met Leu Ser Arg Ala Val Cys Gly Thr Ser Arg Gln Leu Ala Pro Val
126 1          5          10          15
127 Leu Gly Tyr Leu Gly Ser Arg Gln Lys His Ser Leu Pro Asp Leu Pro
128          20          25          30

```

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129 Tyr Asp Tyr Gly Ala Leu Glu Pro His Ile Asn Ala Gln Ile Met Gln
130          35          40          45
131 Leu His His Ser Lys His His Ala Ala Tyr Val Asn Asn Leu Asn Val
132          50          55          60
133 Thr Glu Glu Lys Tyr Gln Glu Ala Leu Ala Lys Gly Asp Val Thr Ala
134 65          70          75          80
135 Gln Ile Ala Leu Gln Pro Ala Leu Lys Phe Asn Gly Gly Gly His
136          85          90          95

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VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date